

Please add new claims 17 through 23 as follows:

17. In a network subject to a previous failure and a subsequent failure, a method for restoring the network comprising the steps of:

- overcoming the previous failure using a first protection scheme;
- detecting the subsequent failure;
- determining that the previous failure can be overcome using a second protection scheme;
- determining that the subsequent failure can be overcome using the first protection scheme but can not be overcome by using the second protection scheme;
- applying the second protection scheme to overcome the previous failure; and
- applying the first protection scheme to overcome the subsequent failure.

18. The method of claim 17 further comprising the step of:

- determining that the first protection scheme is unable to overcome the subsequent failure because the first protection scheme has already been applied to overcoming the previous failure.

19. The method of claim 17 wherein the first protection scheme is designed to circumvent a failure affecting a span in the network using a spare resource within the span and the second protection scheme is designed to circumvent a failure affecting a span in the network using a resource outside of the span.

20. The method of claim 17 wherein the step of determining that the previous failure can be overcome using a second protection scheme is based upon a failure type associated with the failure.

21. The method of claim 17 wherein the step of determining that the previous failure can be overcome using a second protection scheme is based upon whether the previous failure is a module failure or a line failure.

22. The method of claim 17 wherein the step of determining that the subsequent failure can be overcome using a first protection scheme is based upon a failure type associated with the subsequent failure.

23. The method of claim 17 wherein the step of determining that the subsequent failure can be overcome using a first protection scheme is based upon whether the subsequent failure is a module failure or a line failure.

### IN THE SPECIFICATION

Please amend the specification as follows:

Page 1, line 11: delete "components" and insert --sites or nodes--;

Page 1, line 11: delete "transfer" and insert --route--;

Page 1, line 12: delete "components" and insert --nodes--;

Page 1, line 12: delete the sentence beginning "Rather than having...";

Page 1, line 19: delete "fiber" and insert --optical channel--;

Page 1, line 22: after "data", insert --rate--;

Page 1, line 22: after the paragraph that ends "...voice calls.", insert a new paragraph as follows: Multiple links are often employed between nodes to increase communications capacity and to provide back-up in the event of partial failures. The set of links interconnecting a given pair of nodes is referred to as a "span."--;

Page 1, line 23: delete the sentence that begins with "Further bandwidth improvement..." and insert therefor the sentence --Further bandwidth improvement can be achieved by sending multiple modulated lightwave carriers at different frequencies through a single fiber--;

Page 2, line 3: delete "16 OC-192 erbium band" and insert --at least sixteen OC-192 --;

Page 2, line 4: delete "with WDM." and insert --within the so-called "erbium band."--;

Page 2, line 22: delete "channel" and insert --link--;